

### IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A filter for the purification of an exhaust gas, ~~provided~~  
with comprising:

a porous ceramic carrier configured to filter particulates in an exhaust gas; and

a catalyst coat layer ~~formed by carrying~~ comprising at least one oxide ceramic and a catalyst active component and coating on a surface of a the porous ceramic carrier, the catalyst coat layer further comprising a first substance having a thermal conductivity higher than the oxide ceramic, a second substance having a refractive index larger than a refractive index of the oxide ceramic, or a colored pigment,

wherein the porous ceramic carrier has a porosity of 40-80% and a thermal conductivity ~~[[as]]~~ of a filter body comprising the porous ceramic carrier and the catalyst coat layer is set to be 0.3-60 W/mk.

Claim 2 (original): A filter for the purification of an exhaust gas according to claim 1, wherein the thermal conductivity of the filter is 3-60 W/mk.

Claim 3 (currently amended): A filter for the purification of an exhaust gas according to claim 1 or 2, wherein the ~~catalyst coat layer is made of~~ at least one oxide ceramic comprises at least one ceramic selected from the group consisting of alumina, titania, zirconia and silica.

Claim 4 (currently amended): A filter for the purification of an exhaust gas according to claim 1 or 2, wherein the ~~catalyst coat layer contains at least one metal having a thermal conductivity higher than the oxide ceramic~~ first substance comprises a metal selected from the group consisting of copper, gold, silver, ~~[[and]]~~ aluminum ~~[[or]]~~ and an alloy thereof, or at least one ceramic selected from the group consisting of aluminum nitride, silicon carbide and silicon nitride.

Claim 5 (currently amended): A filter for the purification of an exhaust gas according to claim 1 or 2, wherein the ~~catalyst coat layer is carried with at least one~~ catalyst active component comprises at least one catalyst selected from the group consisting of a noble metal, an alkali metal, an alkaline earth metal and a rare earth oxide.

Claim 6 (currently amended): A filter for the purification of an exhaust gas according to claim 1 or 2, wherein the porous ceramic carrier ~~is constituted with~~ comprises at least one ceramic selected from the group consisting of silicon carbide, silicon nitride, cordierite, mullite, sialon, silica, aluminum titanate, lithium aluminum silicate (LAS) and zirconium phosphate.

Claim 7 (canceled)

Claim 8 (currently amended): A filter for the purification of an exhaust gas according to claim 1, wherein the ~~catalyst coat layer is made of at least one oxide ceramic comprises at selected from alumina, titania, zirconia and silica and contains a pigment colored itself, and a thermal conductivity as the filter is set to be~~ 0.3-3 W/mk.

Claim 9 (currently amended): A filter for the purification of an exhaust gas according to claim ~~[[7]]~~ 1, wherein the second substance ~~having a refractive index larger than that of the oxide ceramic is~~ comprises at least one substance having a refractive index of not less than 1.4 and selected from the group consisting of TiO<sub>2</sub>, BaTiO<sub>3</sub>, PbS, Fe<sub>2</sub>O<sub>3</sub>, COCO<sub>3</sub> and MnO<sub>2</sub>.

Claim 10 (currently amended): A filter for the purification of an exhaust gas according to claim 1, ~~7 or 8~~, wherein the catalyst coat layer ~~contains~~ further comprises inorganic powder having a peak in a portion that a reflectance against an electromagnetic wave of not less than 10 μm is not less than 70%.

Claim 11 (currently amended): A filter for the purification of an exhaust gas according to claim 8, wherein the colored pigment is compounded so that a brightness of the catalyst coat layer as a whole is not more than 8.

Claim 12 (currently amended): A filter for the purification of an exhaust gas according to claim 1-~~or~~8, wherein the colored pigment is at least one inorganic metal selected from the group consisting of iron oxide, copper oxide and a cobalt compound of  $\text{CoO} \cdot n\text{Al}_2\text{O}_3$  or  $\text{Co}_3(\text{PO}_4)_2$ .

Claims 13-15 (canceled)